SEARCH REQUEST FORM

Scientific and Technical Information Center

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Requester's Full Name: Dani	e tow	Examiner #:	00// Da	te: May 3/ 0/				
Art Unit: 2/\sqrt{\sq}}}}}}}}}} \end{\sqrt{\sq}}}}}}}}}}}} \end{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sq}}}}}}}}}} \end{\sqrt{\sq}}}}}}}}}} \end{\sqit{\sintinitita}}}}}}} \end{\sqit{\sqrt{\sq}}}}}}} \sqrt{\sqrt{\	umber 305 /6).6	Serial Nur	mber:47/234,	427				
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If more than one search is submi **********			order of need.	*****	****			
Please provide a detailed statement of the s Include the elected species or structures, ke utility of the invention. Define any terms the known. Please attach a copy of the cover sh	ywords, synonyms, acrony hat may have a special mea neet, pertinent claims, and a	ms, and registry numbers, and registry numbe	numbers, and combi	ne with the concept of tions, authors, etc, if	or			
Title of Invention: Interprete	1 Digital Sgr	al process	or/general	amose (PL/4	vitte			
Inventors (please provide full names):	· · · · · · · · · · · · · · · · · · ·	1		States	[T2,			
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Earliest Priority Filing Date:								
For Sequence Searches Only Please include	' /	— arent, child, divisior	nal, or issued patent	numbers) along with th	ie			
appropriate serial number.		, , , , , , , , , , , , , , , , , , , ,	,	, .	-			
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surrendered paten	t # 5,630/		05,31,01,					
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STAFF USE,ONLY	Type of Search	Vendo	rs and cost where	applicable				
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Date Searcher Picked Up: 5/3//0/	Bibliographic	Dr.Link	7)		•			
Date Completed: 5/3//4/	Litigation	Lexis/Nexis						
Searcher Prep & Review Time:	Fulltext	Sequence Systems _						
Clerical Prep Time:	Patent Family	WWW/Internet						

PTO-1590 (1-2000)

us5630153/pn

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 LITA
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 PAST
  ** SS
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         1 : Results
 Search statement
?prt ssl max 1-2
 1/2 LGST (1/1) - (C) LEGSTAT PN - US 5630153 [US5630153]
 AP - US 317783/94 19941004 [1994US-0317783]
 DT - US-P
 ACT - 19941004 US/AE-A
        APPLICATION DATA (PATENT)
        {US 317783/94 19941004 [1994US-0317783]}
      - 19970513 US/A
        PATENT
      - 19990323 US/RF
        REISSUE APPLICATION FILED
        990120
 UP - 1999-15
 2/2 CRXX (1/1) - (C) CLAIMS/RRX
 AN - 2841754
 PN - 5,630,153 A 19970513 [US5630153]
 PA - National Semiconductor Corp
 PT - E (Electrical)
 ACT - 19990120 REISSUE REQUESTED
        Issue Date of O.G.: 19990323
        Reissue Request Number: 09/234427
        Examination Group responsible for Reissue process: 1641
 UP - 1999-00
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EP 442041

P

19900118 EP AA

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1/9/1
DIALOG(R) File 345: Inpadoc/Fam. & Legal Stat
(c) 2001 EPO. All rts. reserv.
Basic Patent (No, Kind, Date): EP 442041 A2 19910821 <No. of Patents: 007>
PATENT FAMILY:
EUROPEAN PATENT OFFICE (EP)
 Patent (No, Kind, Date): EP 442041 A2 19910821
    INTEGRATED DIGITAL SIGNAL PROCESSOR/GENERAL PURPOSE CPU WITH SHARED
     INTERNAL MEMORY (English; French; German)
    Patent Assignee: NAT SEMICONDUCTOR CORP (US)
   Author (Inventor): INTRATER AMOS (HK); DORON MOSHE (US); INTRATER
     GIDEON (IL); EPSTEIN LEV (IL)
    Priority (No, Kind, Date): US 467148 A
                                           19900118
   Applic (No, Kind, Date): EP 90120850 A 19901031
   Designated States: (National) DE; FR; GB; IT
   IPC: * G06F-015/78; G06F-009/38
   Derwent WPI Acc No: ; G 91-246848
   Language of Document: English
  Patent (No, Kind, Date): EP 843254 A2 19980520
    INTEGRATED DIGITAL SIGNAL PROCESSOR/GENERAL PURPOSE CPU WITH SHARED
     INTERNAL MEMORY (English; French; German)
    Patent Assignee: NAT SEMICONDUCTOR CORP (US)
   Author (Inventor):
                       INTRATER AMOS (CN); DORON MOSHE (IL); INTRATER
     GIDEON (IL); EPSTEIN LEV (IL)
    Priority (No, Kind, Date): EP 90120850
                                            A3 19901031; US 467148 A
     19900118
   Applic (No, Kind, Date): EP 97120341 A 19901031
   Designated States: (National) DE; FR; GB; IT
   IPC: * G06F-009/38
   Derwent WPI Acc No: * G 91-246848; G 98-263467; G 98-263467
   Language of Document: English
  Patent (No, Kind, Date): EP 442041 A3 19910904
   INTEGRATED DIGITAL SIGNAL PROCESSOR/GENERAL PURPOSE CPU WITH SHARED
     INTERNAL MEMORY (English; French; German)
   Patent Assignee: NAT SEMICONDUCTOR CORP (US)
   Author (Inventor): INTRATER AMOS (HK); DORON MOSHE (US); INTRATER
     GIDEON (IL); EPSTEIN LEV (IL)
   Priority (No, Kind, Date): US 467148 A 19900118
   Applic (No, Kind, Date): EP 90120850 A 19901031
   Designated States: (National) DE; FR; GB; IT
   IPC: * G06F-015/78; G06F-009/38
   Language of Document: English
 Patent (No, Kind, Date): EP 843254 A3 19990818
   INTEGRATED DIGITAL SIGNAL PROCESSOR/GENERAL PURPOSE CPU WITH SHARED
     INTERNAL MEMORY (English; French; German)
   Patent Assignee: NAT SEMICONDUCTOR CORP (US)
   Author (Inventor): INTRATER AMOS (CN); DORON MOSHE (IL); INTRATER
     GIDEON (IL); EPSTEIN LEV (IL)
                                            A3 19901031; US 467148 A
             (No, Kind, Date): EP 90120850
   Priority
     19900118
   Applic (No, Kind, Date): EP 97120341 A 19901031
    Designated States: (National) DE; FR; GB; IT
    IPC: * G06F-009/38
    Derwent WPI Acc No: * G 91-246848; G 98-263467
   Language of Document: English
EUROPEAN PATENT OFFICE (EP)
 Legal Status (No, Type, Date, Code, Text):
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PRIORITY (PATENT

APPLICATION) (PRIORITAL (PATENTANMELDUNG))

	442041 442041		US 467148 A 19900118 19901031 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 90120850 A 19901031 19910821 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
	442041 442041		WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP	442041	₽	DE FR GB IT 19910904 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP	442041	P	19920624 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
EP	442041	P	920424 19950315 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
EP	442041	P	950127 19980513 EP 18R REFUSED (ZURUECKGEWIESEN)
EP	442041	P	971225 19980520 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 843254 P
EP	843254	P	19900118 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP	843254	P	US 467148 A 19900118 19901031 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 90120850 A3 19901031
EP	843254	P	19901031 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 97120341 A 19901031
EP	843254	P	
EP	843254	P	
EP	843254	P	DE FR GB IT 19980520 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP	843254	P	19980520 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 971125
EP	843254	P	971125 19990818 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

DE FR GB IT
EP 843254 P 19990818 EP A3

19990818 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))

JAPAN (JP)

Patent (No, Kind, Date): JP 3227177 A2 19911008

INTEGRATED DIGITAL SIGNAL PROCESSOR/UNIVERSAL CPU HAVING COMMON INTERNAL MEMORY (English)

Patent Assignee: NAT SEMICONDUCTOR CORP

Author (Inventor): AMOSU INTORATA; MOSHIE DORON; GIDEON INTORATA; REBU EPUSHIYUTAIN

Priority (No, Kind, Date): US 467148 A 19900118 Applic (No, Kind, Date): JP 90311677 A 19901119 IPC: * H04N-001/40; G06J-003/00; H04M-011/00

Language of Document: Japanese

KOREA, REPUBLIC (KR)

Patent (No, Kind, Date): KR 211549 B1 19990802

INTERGRATED DIGITAL SIGNAL PROCESSOR/GENERAL PURPOSE CPU WITH SHARED INTERNAL MEMORY (English)

Patent Assignee: NAT SEMICONDUCTOR CORP (US)

Author (Inventor): INTRATER AMOS (IL); INTRATER GIDEON (IL); EPSTEIN LEV (IL)

Priority (No, Kind, Date): US 467148 A 19900118 Applic (No, Kind, Date): KR 9018430 A 19901114

IPC: * G06F-015/16

Derwent WPI Acc No: * G 91-246848; G 98-263467

Language of Document: Korean

UNITED STATES OF AMERICA (US)

Patent (No, Kind, Date): US 5630153 A 19970513

INTEGRATED DIGITAL SIGNAL PROCESSOR/GENERAL PURPOSE CPU WITH SHARED INTERNAL MEMORY (English)

Patent Assignee: NAT SEMICONDUCTOR CORP (US)

Author (Inventor): INTRATER AMOS (HK); DORON MOSHE (US); INTRATER GIDEON (IL); EPSTEIN LEV (IL); VALENTATEN MAURICE (DE); GREISS ISRAEL (IL)

Priority (No, Kind, Date): US 317783 A 19941004; US 11102 B1 19930129; US 467148 B1 19900118

Applic (No, Kind, Date): US 317783 A 19941004

National Class: * 395800000; 395290000; 395306000; 364DIG001; 364DIG002

IPC: * G06F-009/26; G06F-009/40; G06F-009/44; G06F-013/36

Derwent WPI Acc No: * G 91-246848; G 98-263467

Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No, Type, Date, Code, Text):

US 5630153 P 19900118 US AA PRIORITY US 467148 B1 19900118

US 5630153 P 19930129 US AA PRIORITY
US 11102 B1 19930129

US 5630153 P 19941004 US AE APPLICATION DATA (PATENT)

(APPL. DATA (PATENT))
US 317783 A 19941004

US 5630153 P 19970513 US A PATENT

US 5630153 P 19990323 US RF REISSUE APPLICATION FILED

(REISSUE APPL. FILED)

990120

5,630,153

<=2> GET 1st DRAWING SHEET OF 8

May 13, 1997

REISSUE: Reissue Application filed Jan. 20, 1999 (O.G. Mar. 23, 1999) Ex. Gp.: 1641; Re. S.N. 09/234,427

CORE TERMS: general purpose, memory, digital, processor, array, bus, module, operand, bit, data processing...

> **LEXIS-NEXIS** Library: PATENT ALL File:

5,630,153 OR 5630153

Your search request has found no CASES.

To edit the above request, use the arrow keys. Be sure to move the cursor to the end of the request before you enter it.

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For further explanation, press the H key (for HELP) and then the ENTER key.

LEXIS-NEXIS
Library: PATENT
File: CASES

Your search request has found no ITEMS.

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LEXIS-NEXIS
Library: PATENT
File: JNLS

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To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

LEXIS-NEXIS Library: NEWS

CURNWS File:

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1/9/1
DIALOG(R) File 345: Inpadoc/Fam. & Legal Stat
(c) 1999 European Patent Office. All rts. reserv.
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Basic Patent (No, Kind, Date): EP 442041 A2 910821 <No. of Patents: 006>
PATENT FAMILY:
EUROPEAN PATENT OFFICE (EP)
  Patent (No, Kind, Date): EP 442041 A2 910821
    INTEGRATED DIGITAL SIGNAL PROCESSOR/GENERAL PURPOSE CPU WITH SHARED
      INTERNAL MEMORY (English; French; German)
    Patent Assignee: NAT SEMICONDUCTOR CORP (US)
                         INTRATER AMOS (HK); DORON MOSHE (US); INTRATER
   Author
           (Inventor):
      GIDEON (IL); EPSTEIN LEV (IL)
    Priority (No, Kind, Date); US 467148 A
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   Applic (No, Kind, Date): / EP 90120850 A
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    Designated States: (National) DE; FR; GB; IT
    IPC: * G06F-015/78; G06F-009/38
    Derwent WPI Acc No: ; G 91-246848
   Language of Document: English
  Patent (No, Kind, Date): EP 843254 A2 980520
    INTEGRATED DIGITAL SIGNAL PROCESSOR/GENERAL PURPOSE CPU WITH SHARED
      INTERNAL MEMORY (English; French; German)
    Patent Assignee: NAT SEMICONDUCTOR CORP (US)
                         INTRATER AMOS (CN); DORON MOSHE (IL); INTRATER
           (Inventor):
     GIDEON (IL); EPSTEIN LEV (IL)
    Priority (No, Kind, Date):
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                                                   901031; US 467148 A
      900118
    Applic (No, Kind, Date): EP 97120341 A
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    Designated States: (National) DE; FR; GB; IT
    IPC: * G06F-009/38
   Derwent WPI Acc No: * G 91-246848; G 98-263467; G 98-263467
   Language of Document: English
  Patent (No, Kind, Date): EP 442041 A3 910904
    INTEGRATED DIGITAL SIGNAL PROCESSOR/GENERAL PURPOSE CPU WITH SHARED
      INTERNAL MEMORY (English; French; German)
    Patent Assignee: NAT SEMICONDUCTOR CORP (US)
                        INTRATER AMOS (HK); DORON MOSHE (US); INTRATER
   Author (Inventor):
      GIDEON (IL); EPSTEIN LEV (IL)
    Priority (No, Kind, Date): US 467148 A
                                            900118
   Applic (No, Kind, Date): EP 90120850 A
                                            901031
    Designated States: (National) DE; FR; GB; IT
    IPC: * G06F-015/78; G06F-009/38
   Language of Document: English
  Patent (No, Kind, Date): EP 843254 A3 990818
    INTEGRATED DIGITAL SIGNAL PROCESSOR/GENERAL PURPOSE CPU WITH SHARED
      INTERNAL MEMORY (English; French; German)
    Patent Assignee: NAT SEMICONDUCTOR CORP (US)
                         INTRATER AMOS (CN); DORON MOSHE (IL); INTRATER
   Author (Inventor):
     GIDEON (IL); EPSTEIN LEV (IL)
    Priority (No, Kind, Date):
                                              A3
                                                   901031; US 467148 A
                               EP 90120850
      900118
   Applic (No, Kind, Date): EP 97120341 A
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   Designated States: (National) DE; FR; GB; IT
    IPC: * G06F-009/38
   Derwent WPI Acc No: * G 91-246848; G 98-263467
   Language of Document: English
EUROPEAN PATENT OFFICE (EP)
 Legal Status (No, Type, Date, Code, Text):
                                          PRIORITY (PATENT APPLICATION)
   EP 442041
                     900118 EP AA
                 Р
                             (PRIORITAET (PATENTANMELDUNG))
                             US 467148 A
                                           900118
   EP 442041
                 Ρ
                     901031
                             EP AE
                                          EP-APPLICATION (EUROPAEISCHE
                             ANMELDUNG)
                             EP 90120850 A
                                              901031
   EP 442041
                                          DESIGNATED CONTRACTING STATES IN
                 Ρ
                     910821 EP AK
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				AN APPLICATION WITHOUT SEARCH REPORT (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) DE FR GB IT
EP	442041	P	910821	EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP	442041	P	910904	·
EP	442041	P	910904	EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP	442041	P	920624	
EP	442041	P	950315	
EP	442041	P	980513	EP 18R REFUSED (ZURUECKGEWIESEN) 971225
EP	442041	P	980520	
EP	843254	P	900118	EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) US 467148 A 900118
EP	843254	P	901031	EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 90120850 A3 901031
EP	843254	P	901031	EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 97120341 A 901031
EP	843254	P	980520	EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 442041 P
EP	843254	Р	980520	EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) DE FR GB IT
EP	843254	P	980520	EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP	843254	P	980520	
EP	843254	P	990818	
EP	843254	P	990818	EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))

JAPAN (JP)

Patent (No, Kind, Date): JP 3227177 A2 911008

INTEGRATED DIGITAL SIGNAL PROCESSOR/UNIVERSAL CPU HAVING COMMON INTERNAL MEMORY (English)

Patent Assignee: NAT SEMICONDUCTOR CORP

Author (Inventor): AMOSU INTORATA; MOSHIE DORON; GIDEON INTORATA; REBU EPUSHIYUTAIN

Priority (No,Kind,Date): US 467148 A 900118 Applic (No,Kind,Date): JP 90311677 A 901119 IPC: * H04N-001/40; G06J-003/00; H04M-011/00 Language of Document: Japanese

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990323

US RF

990120

(REISSUE APPL. FILED)

REISSUE APPLICATION FILED

US 5630153

UNITED STATES OF AMERICA (US) 970513 Patent (No, Kind, Date): US 5630153 A INTEGRATED DIGITAL SIGNAL PROCESSOR/GENERAL PURPOSE CPU WITH SHARED INTERNAL MEMORY (English) Patent Assignee: NAT SEMICONDUCTOR CORP (US) Author (Inventor): INTRATER AMOS (HK); DORON MOSHE (US); INTRATER GIDEON (IL); EPSTEIN LEV (IL); VALENTATEN MAURICE (DE); GREISS ISRAEL (IL) Priority (No, Kind, Date): US 317783 A 941004; US 11102 B1 930129; US 467148 B1 900118 Applic (No, Kind, Date): US 317783 A 941004 National Class: * 395800000; 395290000; 395306000; 364DIG001; IPC: * G06F-009/26; G06F-009/40; G06F-009/44; G06F-013/36 Derwent WPI Acc No: * G 91-246848; G 98-263467 Language of Document: English UNITED STATES OF AMERICA (US) Legal Status (No, Type, Date, Code, Text): 900118 US AA PRIORITY US 5630153 Ρ US 467148 B1 900118. US 5630153 930129 US AA PRIORITY US 11102 B1 930129 US 5630153 941004 APPLICATION DATA (PATENT) Ρ US AE (APPL. DATA (PATENT)) US 317783 A 941004 970513 PATENT US 5630153 US A

LEVEL 1 - 1 OF 1 PATENT

5,630,153

<=2> GET 1st DRAWING SHEET OF 8

LEXIS-NEXIS
Library: PATENT
File: ALL

May 13, 1997

REISSUE: Reissue Application filed Jan. 20, 1999 (O.G. Mar. 23, 1999) Ex. Gp.: 1641; Re. S.N. 09/234,427

CORE TERMS: general purpose, memory, digital, processor, array, bus, module, operand, bit, data processing...

5,630,153 OR 5630153

LEXIS-NEXIS Library: PATENT File: CASES

Your search request has found no CASES.

To edit the above request, use the arrow keys. Be sure to move the cursor to the end of the request before you enter it.

To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

LEXIS-NEXIS
Library: PATENT
File: JNLS

Your search request has found no ITEMS.

To edit the above request, use the arrow keys. Be sure to move the cursor to the end of the request before you enter it.

To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

-1- (LEGSTAT) PATENT NUMBER

DOCUMENT TYPE

ACTION

BER US 5630153 [US5630153]
YPE US-P
94.10.04 US/AE-A
APPLICATION DATA (PATENT)
{US 317783/94 [94US-317783] 94.10.04}
97.05.13 US/A

ACTION

PATENT

ACTION

99.03.23 US/RF

REISSUE APPLICATION FILED

990120

UPDATE

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